COMPUTER AIDED DESIGN
OF SHADING DEVICES
IN BUILDINGS

By

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SUMMARY

The object of this project is to investigate the effect of overhangs and reveals on the thermal load of windows by using a computer program.

First of all the principles, importance and the effect of the direct solar radiation on the thermal load in buildings is studied.

Furthermore various combinations of overhangs reveals and orientations are investigated and suitable printouts and graphs are presented.

Comments are done on the findings and the best combination is found for each window orientation under examination.

Also the advantages and disadvantages for each window combination are discussed.

Finally possible alternation and improvements for maximum utilization of solar energy of the combinations under examination are suggested.

C O N T E N T S

CHAPTER 4